



Contribution ID: 136

Type: **Poster**

A Virtual Research Environment for Species Distribution Map Generation and Management

Please indicate your preferred day to give a demo.

Monday, Tuesday, Wednesday.

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

D4Science Project

Special requirements other than the set up mentioned in the CfA text.

No special requirements.

Abstract

In the context of marine species distribution prediction, AquaMaps started providing a service, that by combining survey data with environmental data and habitat profiles, generates model-based species distribution maps. To improve the scientific activity behind this modeling based approach D4Science started a collaboration with AquaMaps by developing a Virtual Research Environment. Through this supporting environment, scientists have a seamless access to all the resources that are needed to experiment different algorithms/models (data and computing resources) and are provided with tools for sharing their research findings. The development of this scenario was facilitated by the exploitation of the EGEE infrastructure: different applications for data elaboration and maps generation have been gridified. The Demo will focus on the data production (data import and indexing, map generation) and data consumption (search, browse, annotation) facilities.

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